



THE WET WEATHER PARTNERSHIP

PRESENTS

URBAN WET WEATHER DEVELOPMENTS:

TRUMPETING UNPRECEDENTED OPPORTUNITIES

MAY 16 - 18, 2018

HILTON CINCINNATI NETHERLAND PLAZA HOTEL

CINCINNATI, OH

AGENDA

WEDNESDAY, MAY 16, 2018

1:00 - 1:10 pm **Welcome.** Terry Leeds, Kansas City, MO, WWP President

1:10 - 1:50 **Cincinnati Program Overview and Highlights.** The conference will open with a presentation by Cincinnati MSD providing an overview of MSD's Project Groundwork – which is MSD's program address wet weather system improvements called for in MSD's federal consent decrees. Learn from MSD's nationally leading, integrated program while enjoying a host city welcome. **Jerry Wilkerson, MaryLynn Lodor, Diana Christy, Missy Niehaus, Amanda Gray, Jennifer Richmond** and **Vanessa Smedley**, MSD of Greater Cincinnati

1:50 – 2:30 **Highlights and Lessons Learned from Louisville MSD's Consent Decree Mid-Point Evaluation and 20 Year Facilities Plan Development Initiative.** Louisville MSD has completed its federal Consent Decree mid-point wet weather program review and developed a 20 year Comprehensive Facility Plan to guide its program going forward. Wet weather program highlights and lessons learned will be reviewed from another large river city perspective. **Tony Parrott**, Louisville MSD

2:30 - 2:45 BREAK

2:45 - 4:15 **Cutting Edge MS4 Developments.** **MS4 Regulation & Strategy.** As the stormwater regulatory environment continues to evolve in this era of "next generation" MS4 NPDES permits, this segment will present strategies useful to MS4 managers to pursue "practicable" permits while avoiding "impracticable" requirements that will lead to noncompliance and enforcement. Case studies will focus on managing challenges where TMDL goals and MS4 permits intersect. **Chris Pomeroy**, AquaLaw

Public-Private Partnerships. Sewer programs and communities in general are looking for means to accelerate program implementation, achieve higher regulatory requirements, and integrate other community enhancements and benefits including economic development and workforce development. This segment will address community specific cutting edge MS4 programs including community-based P3 (CBP3). A P3-based approach by two communities in the Chesapeake Bay region will be covered (Prince George's County, MD and the Stormwater Authority of Chester, PA) Unique aspects of CBP3, implementation processes, lessons learned, and how CBP3 can be applied to other community initiatives. **Jeff Eger**, HDR

4:15 - 4:30 BREAK

4:30 - 5:10 **The Art of the Sewer Deal**. This session will highlight the Trump Administration's unprecedented approach to cooperative federalism and what that means on the ground for local government wet weather control and integrated environmental programs. This enforcement, regulatory, permitting, and policy perspective will provide a foundation for many of the presentations to follow. **Paul Calamita**, AquaLaw

5:10 - 5:15 **Adjourn**.

5:45 **Networking Reception***. (Continental Room, Mezzanine)
**Generously sponsored by Burns and McDonnell & HDR.*

THURSDAY, MAY 17, 2018

8:00 - 8:45 am **Breakfast Buffet**. (Rosewood Room, 4th floor)

8:45 - 9:00 **Program Overview & Welcome**.

9:00 – 9:30 **Intelligent Urban Watersheds**. Welcome to the future! With the combined power of the Internet of Things, Big Data Analytics, machine learning and advanced control theory algorithms, welcome to the Intelligent Urban Watershed. **Tim Braun**, EmNet

9:30 – 10:00 **Our Sewer Tricks Would Win Olympic Pipe Gold**. This presentation will cover the dramatic and rapidly evolving developments in smart sewers and the smart technology optimization for a wide range of sewer and stormwater control facilities and programs. **Diana Tao**, TetraTech

10:00 – 10:30 **Got Dashboards, Smart Covers, and Multi-Sensor/Rapid Assessment Tools?** What's in your sewer program's toolbox? Tracking collection system conditions and key system performance indicators can help you optimize your sewer system's performance and regulatory compliance. **Joey Jaco**, Columbia, SC

10:30 - 10:45 BREAK

10:45 – 12:00 **Intelligent Adaptive Management of Urban Stormwater and Water Resources**. Learn about the latest in intelligent watershed resources and sewer system facilities including Wetland Parks and Botanical Gardens, stormwater ponds, and the Adaptive

Management of Urban Water Resources. **Andy Clements**, St. Joseph, MO and **Jeremiah Johnson**, Beckley, WV.

12:00 – 1:15 Lunch (Provided, Rosewood Room, 4th floor)

1:15 - 2:15 **Water Quality Compliance for Wet Weather Dummies.**

TMDL Absent. To achieve maximum regulatory certainty, Indianapolis is implementing its CSO LTCP using a Demonstrative Approach while seeking to integrate the latest implementation of EPA's 2012 recreational water quality criteria, collection system and instream modeling, as well as a use attainability evaluation. This approach should ensure that the ultimate CSO solution will achieve the greatest regulatory certainty.

John Trypus, Citizens Energy Group

TMDL Present. Ensuring that any TMDLs accommodate your wet weather programs (CSO, MS4, and POTW) is essential. This presentation will provide specific examples and advice that will be applicable to all attendees, including advice about the proper TMDL implementation of USEPA's 2012 Recreational Water Quality Criteria for bacteria. **Clyde Wilber**, Clyde Wilber LLC

2:15 - 3:15 **Adaptive Program Implementation – Maximizing Public Benefits.** This presentation will summarize a number of nationally leading utility wet weather control programs which have also integrated a wide range of other wastewater and community benefit programs. In addition to the multiple benefits these programs will achieve through integrated planning, each program requires an adaptive management backbone in order to be successful. Learn how these programs have developed and strategies they are using to bring essential stakeholders, including the Trump EPA, on board. Learn also about recent truly iterative consent decree based program modifications.

MaryLynn Lodor, MSD of Greater Cincinnati

Lou McMahon, McMahon DeGulis

Jeff Scarano, HRSD

3:15 - 3:30 BREAK

3:30 - 5:00 **Green Rising or Falling: The State of the Art of Green Solutions?** This Panel Will Answer the Following Question and provide key supporting examples in Relation to Green Solutions: Are we experiencing (1) continued incremental progress, (2) an Implementation/performance Plateau, or (3) still accelerating/expanding viability and versatility? Examples supporting each panelist's viewpoint will be shared.

Seth Charde, DC Water

James Stitt, PWSA

Brian Stone, St. Louis MSD

5:00 **Adjourn.**

5:15 pm **Reception.** (Hall of Mirrors Foyer, 3rd floor)

FRIDAY, MAY 18, 2018

7:45 - 8:30 am **Breakfast Buffet.** (Rosewood Room, 4th floor)

8:30 - 8:45 **Welcome/Issue Wrap Up from Days 1-2.**

- 8:45 - 9:30 **The Waters Report: Update on Federal Legislative, Regulatory, and Policy Developments.** **Amanda Waters**, General Counsel, NACWA. Ms. Waters will give another entertaining and highly informative update on the state of environmental regulation, funding, and enforcement from inside the nations' capitol. This year's update will be particularly significant as we will be well into implementing the March federal budget deal which contained significant new infrastructure financing funding for EPA.
- 9:30 - 10:10 **State of the Industry on Inflow and Infiltration Reduction as a Component of Wet Weather Management Programs.** Reducing and managing infiltration and inflow (I/I) has been a major priority for sewer programs nationwide. Learn about the current state of the I/I reduction industry; key lessons learned; and a vision for implementing mature/sustainable and affordable I/I management programs. **Srini Vallabhaneni**, Stantec.
- 10:10 - 10:30 **Developments in Wet Weather Disinfection.** This presentation will summarize the latest developments in wet weather disinfection including studies and demonstration projects related to the use of Peracetic Acid (PAA) as a disinfectant. PAA holds potential as a superior disinfectant requiring lower doses, having a longer shelf life, and dramatically reduced contact times. **Will Martin**, Hazen & Sawyer
- 10:30 - 10:45 BREAK
- 10:45 - 11:15 **EPA's Blending Rule and Other Regulatory Opportunities for Enhancing and Optimizing Wet Weather Facility Performance.** This presentation will focus on US EPA's April 2018 announcement that it will pursue a wastewater "blending" rule. Learn about the opportunities this presents as well as potential obstacles. Also addressed will be the potential impacts the rule could have on facilities within the 8th Circuit federal Court of Appeals which are already blending. Finally, we will address other key regulatory reform proposals and opportunities before the Trump EPA.
- 11:15 - 11:45 **Leading Clean Water Cases & Enforcement Developments.** This presentation will briefly touch on the significance of key Clean Water Act cases as well as the latest developments in federal and State Clean and Safe Drinking Water Act enforcement. **Paul Calamita**, AquaLaw
- 12:00 **Adjourn.**

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